

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

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GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

11/29/2011

Michael McGee  
Assistant District Attorney, Norfolk County

Dear ADA McGee,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]  
Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Peter Piro.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Peter Piro analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan  
Chemist  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6622

## Curriculum Vitae

### Annie Khan (Dookhan)

#### **Education:**

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.  
University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

#### **Experience:**

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

\*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

\*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

\*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

\*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

\*Maintenance and repairs of all analytical instruments.

\*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

\*Oversee the Quality Control/Quality Assurance program for the Drug Lab.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.

\*Notary Public.

\*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

\*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

\*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs).

\*Trained and supervised new chemists and interns for the department.

\*Routine QC testing of products for the FDA.

\*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

\*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

\*Complete testing of chemicals for Vendor Validation Project for the FDA.

\*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

#### **Additional Training:**

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP training with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS trainings with Agilent Technologies and Restek.

HPLC and LC/MS/MS trainings with Waters Cooperation.

FTIR training with Spectros.

TOC training with MBL and Sievers.

#### **Association:**

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Peter Piro

EDUCATION

Boston University

B.A. in Chemistry and Minor in Biology, 1989

HONORS

Magna Cum Laude, 3.6 GPA

Graduated with Distinction in Chemistry

Valedictorian of the Chemistry Department

EXPERIENCE

Department of Public Health/State Laboratory Institute

Chemist III, II, I/ Assistant Analyst December 1991-Present

Supervise the operation and maintenance of the Gas Chromatography/Mass Spectrometry Laboratory. Analyze controlled substances for State and Federal law enforcement agencies. Qualified as an expert witness in Massachusetts courts and U.S. District Court.

Massachusetts Health Research Institute

Laboratory Technician September 1990-December 1991

Researched the seasonal and special occurrences of DSP and PSP in shellfish samples harvested from coastal waters and Georges Bank.

TRAINING AND ORGANIZATIONS

\* Completed a six-week training course by senior staff within the Department of Public Health Drug Analysis laboratory.

\* Appointed Assistant Analyst by the Assistant Commissioner of Public Health in February 1991.

\* Elected as a Regular Member to the Northeastern Association of Forensic Chemists on October 27<sup>th</sup> 1995.

\* Completed training in Mass Spectrometry given by the Food and Drug Administration/Forensic Chemistry Center on November 2002.

\* Completed training in Mass Spectrometry Troubleshooting and Maintenance, October 25<sup>th</sup> 2002, at Agilent Technologies.

\* Notary Public since 1993.

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

*The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
State Laboratory Institute*

**Boston Drug Laboratory**  
Tel (617) 983-6622  
Fax (617) 983-6625

Amherst Drug Laboratory  
Tel (413) 545-2601  
Fax (413) 545-2608

## Boston Hours

8:00 – 11:00

**Amherst Hours**  
9:00 – 12:00  
1:00 – 3:00

## DRUG RECEIPT

City or Department: Ques Police Reference No.:

**Police Reference No.:**

Name and Rank of Submitting Officer: Corn Ward

**Defendant(s) Name (last, first, initial):**

*To be completed by Submitter*  
**Description of Items Submitted**

*To be completed by Lab Personnel*

Received by: Y10 Date: 4-3-11

No. [REDACTED] DATE ANALYZED: 6-22-11  
CITY: QUINCY POLICE DEPT.  
OFFICER: DETECTIVE WILLIAM WARD

DEF: [REDACTED]  
AMOUNT: 10 SUBST: TAB  
NO. CONT: 1 CONT: PB

DATE REC'D: 04/13/2011 NO. ANALYZED:

GROSS WT: 2.860 NET WT: 1.26  
#TESTS: 190

•2P.P.R  
PRELIM: Oxycodone FINDINGS: Oxycodone  
B

# DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Quincy ANALYST ASJ

No. of samples tested: \_\_\_\_\_ Evidence Wt: \_\_\_\_\_

PHYSICAL DESCRIPTION: Gross Wt ( ): \_\_\_\_\_

10 blue oval tablet  
17-p5

Gross Wt ( ): \_\_\_\_\_

Pkg. Wt: \_\_\_\_\_

Net Wt: 1.2668



## PRELIMINARY TESTS

### Spot Tests

Cobalt  
Thiocyanate ( )

### Microcrystalline Tests

Gold  
Chloride \_\_\_\_\_

Marquis \_\_\_\_\_

TLTA ( )

Froehde's \_\_\_\_\_

### OTHER TESTS

Mecke's \_\_\_\_\_

Mannose A (T)

## PRELIMINARY TEST RESULTS

RESULTS Oxycodone

DATE 6-16-11

## GC/MS CONFIRMATORY TEST

RESULTS Oxycodone

MS  
OPERATOR PJP

DATE 6-22-11

## Drug Information

**DRUG NAME:** OXYCODONE HYDROCHLORIDE

**INGREDIENTS:** OXYCODONE HYDROCHLORIDE -- 30 MG

**Color:** Light Blue

**NDC:** 0406-8530-01

**Shape:** Circle

**Excipients:** Cellulose,  
Microcrystalline ; Sodium Starch  
Glycolate ; Starch,  
Corn ; Lactose ; Stearic Acid ; FD&C  
Blue No. 2

**Imprint:** M The M enclosed in a box is  
imprinted on one side and 30 above the  
score is imprinted on the reverse side. ,  
M30 The M enclosed in a box is  
imprinted on one side and 30 above the  
score is imprinted on the reverse side. ,  
30 , M 30

**Regulatory Status:** Schedule II

**Form:** Oral Tablet

**Availability:** United States

**Available-Container-Size:** Bottle of  
100

**Product ID:** 6594281

**AAPCC Code:** 037705 - Oxycodone  
Alone or in Combination (Excluding  
Combination Products with  
Acetaminophen or Acetylsalicylic Acid)

**Contact:** Covidien Mallinckrodt

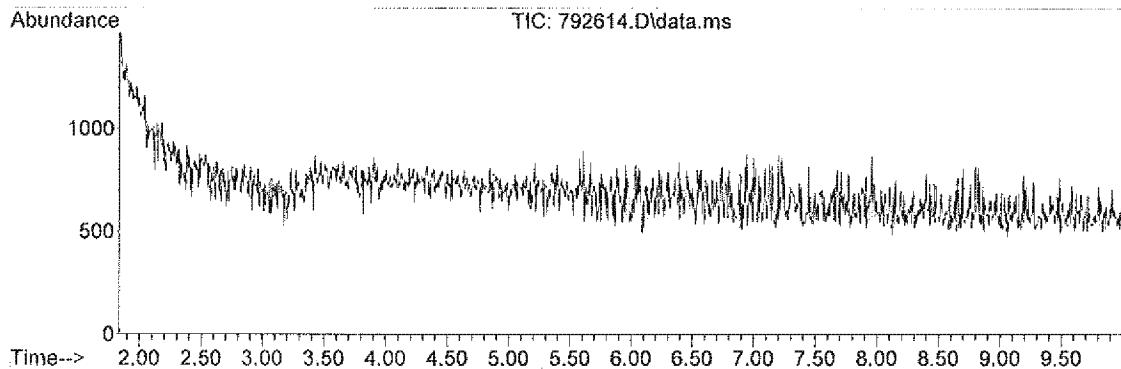
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Information from Data File:

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Operator : NEM/P. PIRO  
Date Acquired : 21 Jun 2011 13:57  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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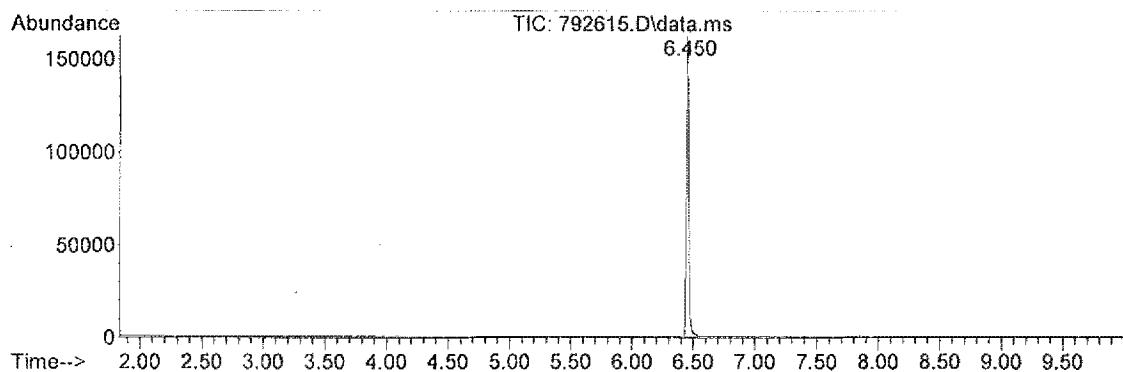
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\06\_21\_11\792615.D  
Operator : NEM/P. PIRO  
Date Acquired : 21 Jun 2011 14:10  
Sample Name : OXYCODONE STD  
Submitted by :  
Vial Number : 15  
AcquisitionMeth: DRUGS.M  
Integrator : RTE



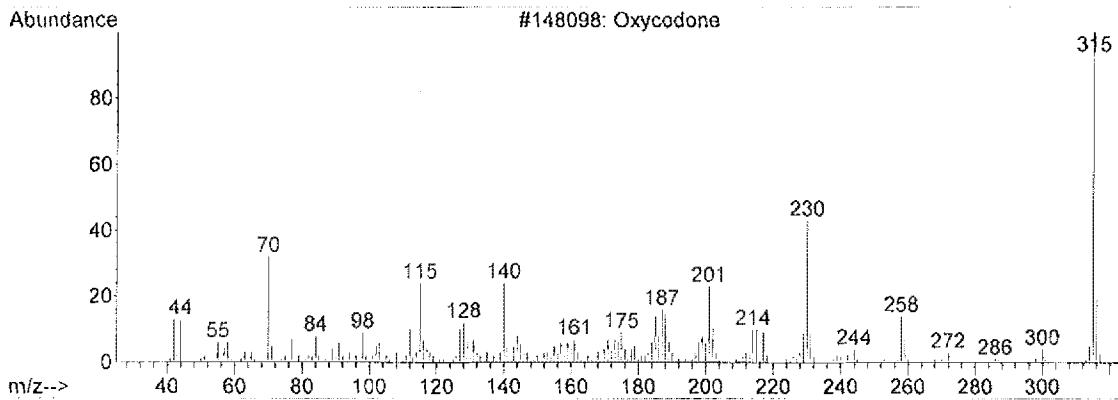
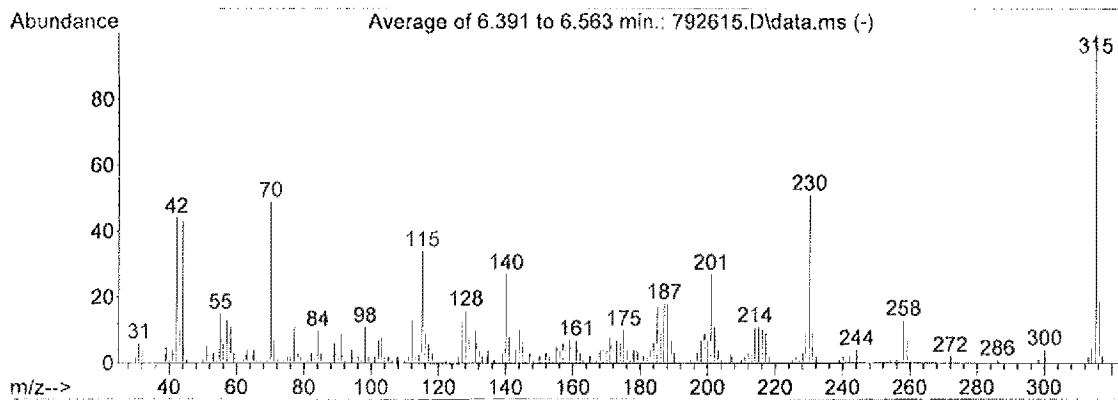
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## Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\06\_21\_11\792615.D  
 Operator : NEM/P. PIRO  
 Date Acquired : 21 Jun 2011 14:10  
 Sample Name : OXYCODONE STD  
 Submitted by :  
 Vial Number : 15  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.45	C:\Database\NIST08.L		
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99

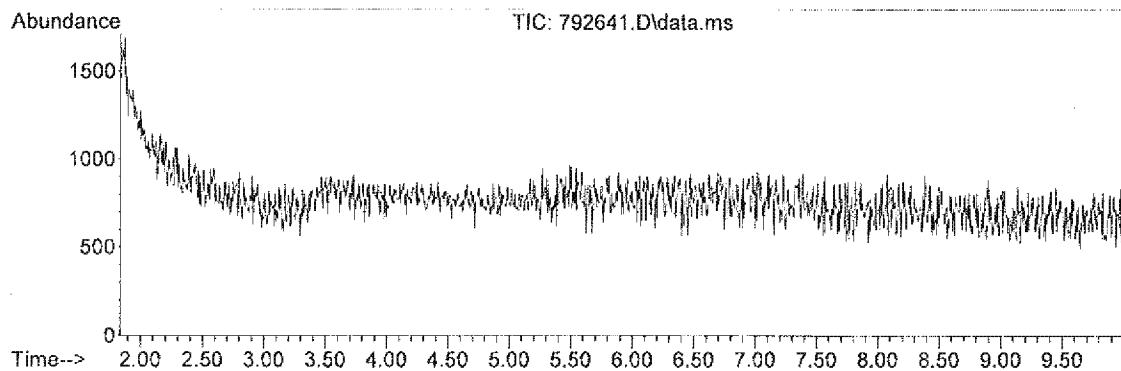


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Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\06\_21\_11\792641.D  
Operator : NEM/P. PIRO  
Date Acquired : 21 Jun 2011 19:45  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 2  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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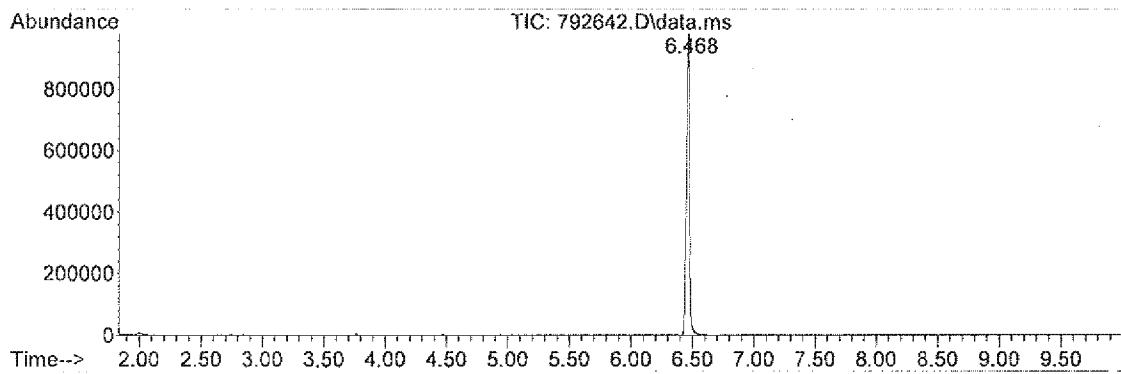
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\06\_21\_11\792642.D  
Operator : NEM/P. PIRO  
Date Acquired : 21 Jun 2011 19:58  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 42  
AcquisitionMeth: DRUGS.M  
Integrator : RTE



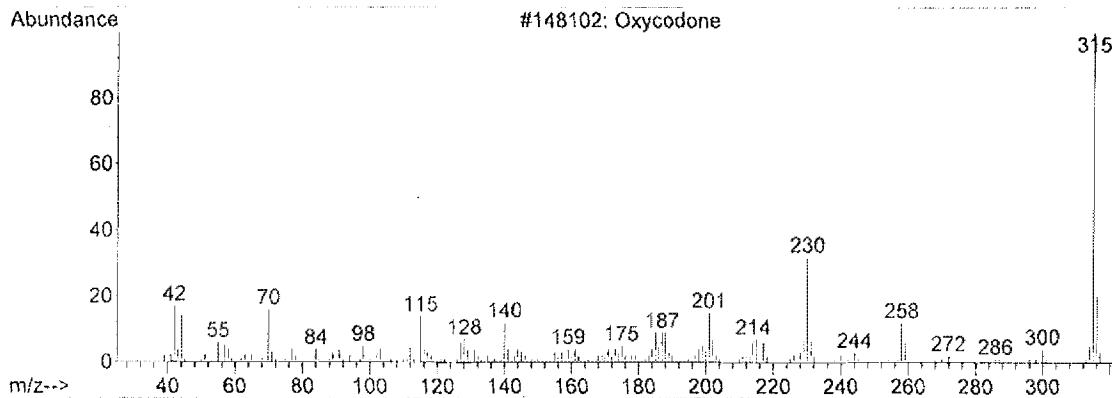
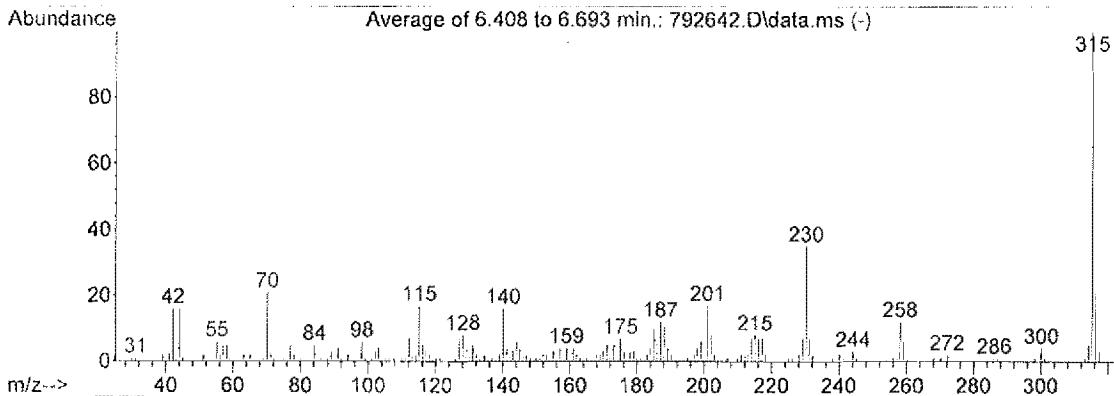
Ret. Time	Area	Area %	Ratio %
6.468	1658679	100.00	100.00

## Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\06\_21\_11\792642.D  
Operator : NEM/P. PIRO  
Date Acquired : 21 Jun 2011 19:58  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 42  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.47	C:\Database\NIST08.L		
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99

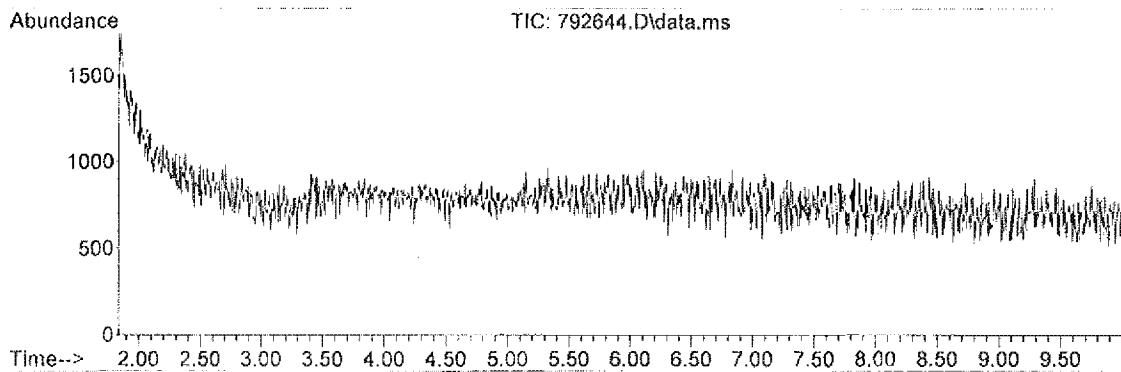


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Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\06\_21\_11\792644.D  
Operator : NEM/P. PIRO  
Date Acquired : 21 Jun 2011 20:24  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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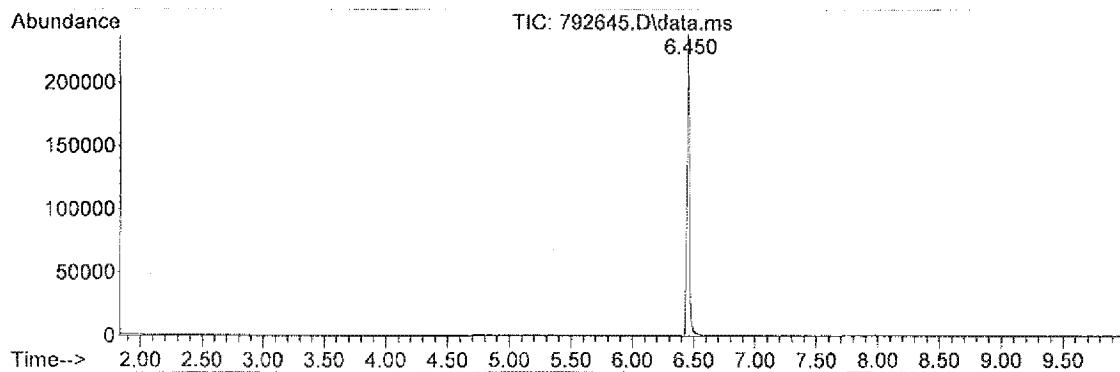
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

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File Name : C:\msdchem\1\data\SYSTEM6\06\_21\_11\792645.D  
Operator : NEM/P. PIRO  
Date Acquired : 21 Jun 2011 20:36  
Sample Name : OXYCODONE STD  
Submitted by :  
Vial Number : 15  
AcquisitionMeth: DRUGS.M  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.450	327103	100.00	100.00

## Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\06\_21\_11\792645.D  
Operator : NEM/P. PIRO  
Date Acquired : 21 Jun 2011 20:36  
Sample Name : OXYCODONE STD  
Submitted by :  
Vial Number : 15  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.45	C:\Database\NIST08.L		
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99

